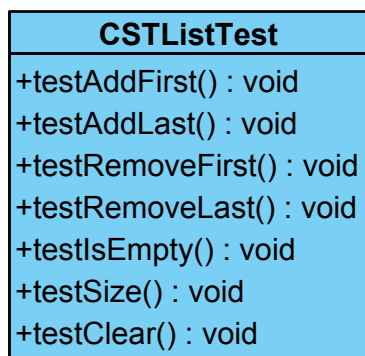
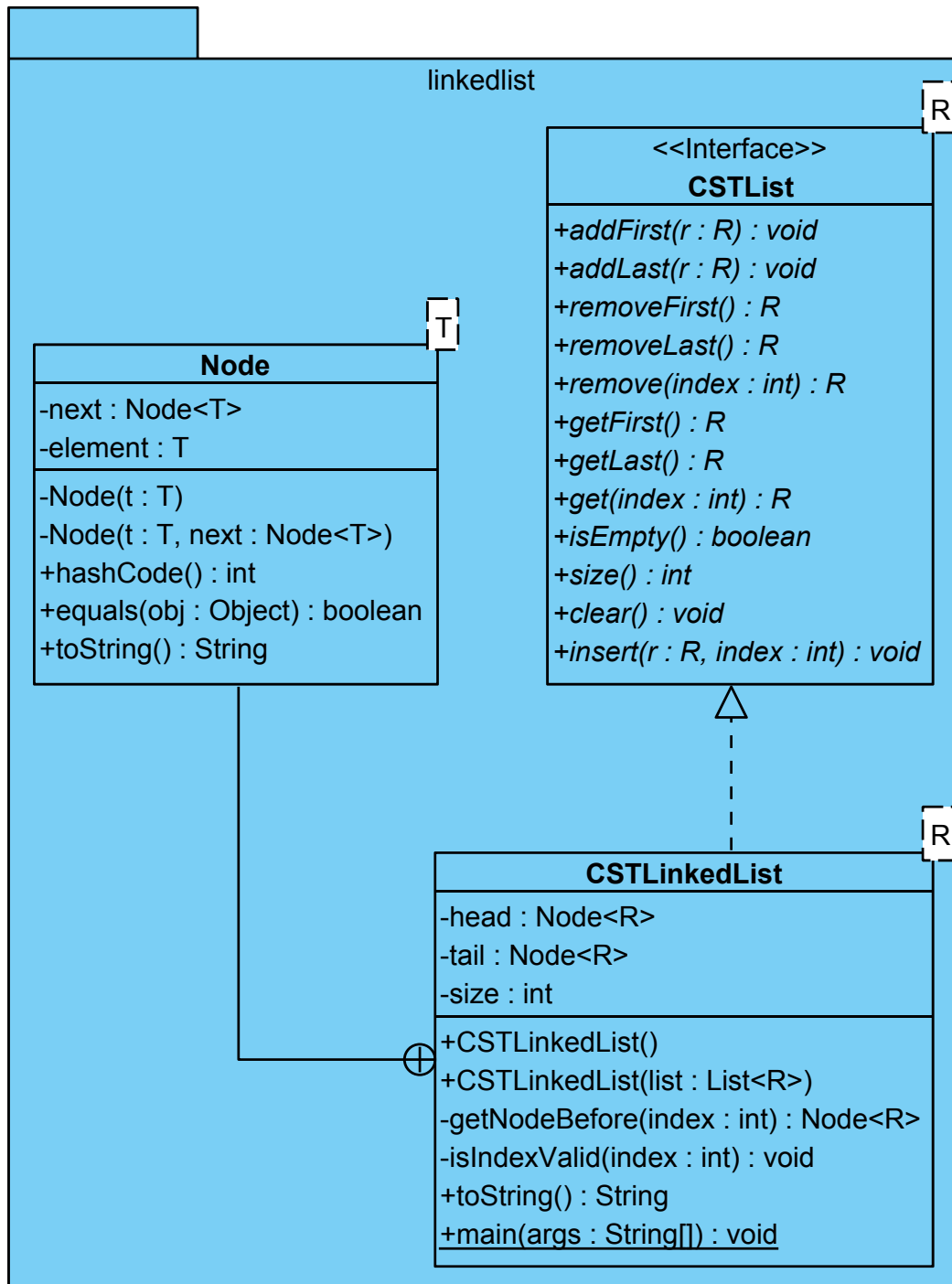


## LinkedList



test class will be inside of "test.  
**linkedlist**". in the style of the  
Assignments and previous labs

**sd** linkedlist.CSTLinkedList.get(int)

: CSTLinkedList

1: get(index : int) : R

1.1: isValid(index : int = index) : void

[isEmpty()]

1.2: null

[index >= size - 1]

1.3: tail.element

[index == 0]

1.4: head.element

[as long as next node is not null]

[i == index]

1.5: n.element

1.6: null

alt

alt

alt

loop

alt

**sd** linkedlist.CSTLinkedList.remove(int)

: CSTLinkedList

1: remove(index : int) : R

1.1: isValid(index : int = index) : void

1.2: getNodeBefore(index : int = index) : Node<R>

alt

[index==0]

Follow the details in the LinkedList SlideShow.  
remove the head node.

1.3: temp.element

Follow the details in the LinkedList SlideShow.  
remove any element from the middle or tail.  
if desired head can be moved to its own if condition.

1.4: temp.element

